

IN THE CLAIMS

Please amend the claims as indicated below.

1 1. (Currently Amended) A light filter comprising:
2 a first layer of substantially opaque material including front and back surfaces;
3 a plurality of light transmissive beads disposed in a single-layer array within the
4 first layer of opaque material with first portions of the beads ~~protruding through the front~~
5 ~~surface of the first layer to receive incident light and with remaining portions of the beads~~
6 ~~not disposed within the first layer~~ penetrating through the ~~back~~front surface of the first
7 layer of opaque material to form light transmissive apertures ~~therethrough~~ and remaining
8 portions of the beads protruding through the back surface of and not disposed within the
9 first layer of substantially opaque material to receive incident light; and
10 a second layer of light-dispersing material having asymmetrical dispersion
11 characteristics along orthogonal axes, the second layer being disposed relative to the
12 beads and the first layer to disperse light incident thereon ~~that is normal to the orthogonal~~
13 ~~axes for to enhance~~ing light transmission ~~within the output angle~~ along one of the
14 orthogonal axes relative to light transmission ~~within the output angle~~ along another of the
15 orthogonal axes.

1 2. (Currently Amended) A The light filter according to claim 1 in which the
2 second layer is disposed to receive light emanating from the apertures.

1 3. (Currently Amended) A The light filter according to claim 1 in which the
2 second layer is interposed between incident light and the ~~front~~remaining portion of the
3 beads protruding through the back surface of and not disposed within surface of the first

4 layer of substantially opaque material.

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1 4. (Currently Amended) The light filter according to claim 21 including a
2 conformal layer of transmissive material affixed to the back surface of the first layer and
3 the remaining portions of the transparent lenses overlaying the remaining portion of beads
4 to receive incident light.

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1 5. (Currently Amended) The light filter according to claim 31 in which the
2 second layer includes ~~elongated~~ prismatic lenses oriented along one of the orthogonal
3 axes, and including surfaces oriented normal to incident light and sloping surfaces
4 oriented skewed to incident light, the prismatic lenses dispersing light in a non-reflective
5 manner, the second layer being interposed between incident light and the first portion of
6 beads protruding from the opaque layer for enhancing light transmission within one
7 output angle along a horizontal axis relative to light transmission within another output
8 angle along the vertical axis.

1 6. (Currently Amended) The light filter according to claim 2 in which the
2 second layer includes elongated prismatic lenses oriented in substantial alignment with a
3 vertical axis as one of the orthogonal axes, and including surfaces oriented normal to
4 incident light and sloping surfaces oriented skewed to incident light, the second layer
5 being disposed to receive light emanating from the apertures for enhancing light
6 transmission within one output angle along the horizontal axis relative to light
7 transmission within another smaller output angle along the vertical axis. The light filter
8 according to claim 1 in which the second layer includes formed lenticular arrays for
9 controlling dispersion of incident light and increasing transmittance of light through the
10 filter, the lenticular arrays having a selected radius of curvature relative to a radius R of

11 the beads.

1 7. (Currently Amended) The light filter according to claim 5 in which the
2 sloping surfaces include multiple facets at and different sloping angles.

1 8. (Original) The light filter according to claim 5 in which the sloping
2 surfaces adjacent the surfaces normal to incident light slope at different angles.

1 9. (Currently Amended) A light filter comprising:
2 a first layer of substantially opaque material including front and back surfaces;
3 a plurality of light transmissive, substantially spherical beads disposed in a single-
4 layer array within the first layer of opaque material with first portions of the beads
5 protruding through the front surface of the first layer to receive incident light and with
6 remaining portions of the beads not disposed within the first layer penetrating through the
7 backfront surface of the first layer of opaque material to form light transmissive apertures
8 therethrough and remaining portions of the beads protruding through the back surface of
9 and not disposed within the first layer of substantially opaque material to receive incident
10 light; and

11 a support layer of transparent material disposed to receive light emanating through
12 the apertures; and

13 a prism layer disposed relative to the first portion of the beads and the support
14 layer to disperse light supplied thereto asymmetrically along orthogonal axes, the prism
15 layer including a plurality of aligned prisms each including a plurality of substantially
16 planar surfaces oriented along a substantially vertical axis, the prisms dispersing light
17 passing therethrough within a greater angle along the horizontal in a non-reflective
18 manner to enhance light transmission along one of the orthogonal axes relative to light

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1 transmission along the other orthogonal axis than along the vertical axis.

1 10. (Original) The light filter according to claim 9 in which the prism layer is
2 a film.

1 11. (Cancelled)

1 12. (Cancelled)

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1 13. (Currently Amended) The light filter according to claim 42 in which the
2 beads have a radius R, and the thickness of the second conformal layer is not greater than
3 R.

1 14. (Currently Amended) The light filter according to claim 13 in which the
2 thickness of the second conformal layer is about ten percent (10%) of R.

1 15. (Cancelled)

1 16. (Cancelled)

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1 17. (New) The light filter according to claim 1 in which the second layer
2 includes a material for scattering incident light.

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1 18. (New) The light filter according to claim 2 further comprising a support
2 layer of transparent material disposed intermediate the beads and the second layer.

1 19. (New) The light filter according to claim 2 further comprising a support
2 layer of transparent material disposed relative to the beads and the second layer.

1 20. (New) The light filter according to claim 19 in which the second layer
2 includes prismatic lenses oriented along one of the orthogonal axes, and including
3 surfaces oriented normal to incident light and sloping surfaces oriented skewed to
4 incident light, the prismatic lenses dispersing light in a non-reflective manner.

1 21. (New) The light filter according to claim 19 in which the second layer

2 includes formed lenticular arrays for controlling dispersion of incident light and
3 increasing transmittance of light through the filter, the lenticular arrays having a selected
4 radius of curvature relative to a radius R of the beads.

1 22. (New) The light filter according to claim 20 in which the sloping surfaces
2 include multiple facets and different sloping angles.

1 23. (New) The light filter according to claim 20 in which the sloping surfaces
2 adjacent the surfaces normal to incident light slope at different angles.

1 24. (New) The light filter according to claim 19 in which the second layer
2 includes a material for scattering incident light.

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1 25. (New) The light filter according to claim 2 further comprising a thin
2 transparent layer, the layer disposed between the first layer and the second layer, the
3 beads penetrating the first layer and the thin transparent layer to form apertures of
4 increased diameter.

1 26. (New) The light filter according to claim 25 in which the second layer
2 includes prismatic lenses oriented along one of the orthogonal axes, and including
3 surfaces oriented normal to incident light and sloping surfaces oriented skewed to
4 incident light, the prismatic lenses dispersing light in a non-reflective manner.

1 27. (New) The light filter according to claim 25 in which the second layer
2 includes formed lenticular arrays for controlling dispersion of incident light and
3 increasing transmittance of light through the filter, the lenticular arrays having a selected
4 radius of curvature relative to a radius R of the beads.

1 28. (New) The light filter according to claim 26 in which the sloping surfaces
2 include multiple facets and different sloping angles.

1 29. (New) The light filter according to claim 26 in which the sloping surfaces
2 adjacent the surfaces normal to incident light slope at different angles.

1 30. (New) The light filter according to claim 25 in which the second layer
2 includes a material for scattering incident light.

1 31. (New) The light filter according to claim 5 in which the prismatic lenses
2 disperse light by refraction.

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1 32. (New) The light filter according to claim 5 in which the prismatic lenses
2 disperse light by scattering.

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1 33. (New) The light filter according to claim 9 in which the prisms disperse
2 light by refraction.

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1 34. (New) The light filter according to claim 9 in which the prisms disperse
2 light by scattering.

1 35. (New) The light filter according to claim 20 in which the prismatic lenses
2 disperse light by refraction.

1 36. (New) The light filter according to claim 20 in which the prismatic lenses
2 disperse light by scattering.

1 37. (New) The light filter according to claim 26 in which the prismatic lenses
2 disperse light by refraction.

1 38. (New) The light filter according to claim 26 in which the prismatic lenses
2 disperse light by scattering.